

Claims

1. Steering column module (12) for a vehicle, in particular for a motor-vehicle, having a base housing (10) and with a switching unit (36) disposed on or in the base housing (10), the switching unit (36) having a mechanism (38) coupled to a moving member, with at least one circuit board (20) disposed in or on the base housing (10) and at least one contact switch (26) which is mounted for motion on the circuit board (20) and which is coupled for cooperation with the mechanism (38) of the switching unit (36), characterized in that the circuit board (20) and the contact switch (26) belong to a common pre-assembled unit (13) which is configured in such a fashion that coupling for motion between the contact switch (26) and the mechanism (38) of the switching unit (36) transpires during assembly of the switching unit (36) to the pre-assembled unit (13).
2. Steering column module (12) according to claim 1, characterized in that at least portions (16, 18) of the base housing (10) belong to the pre-assembled unit (13).
3. Steering column module (12) according to claim 1 or 2, characterized in that the pre-assembled unit (13) has housing sections (16, 18) which at least partially cover portions of the circuit board (20).

4. Steering column module (12) according to claim 1, 2 or 3, characterized in that securing means (32) are disposed on the pre-assembled unit (13) to secure the position of the contact switch (26).
5. Steering column module (12) according to claim 4, characterized in that the switching unit (36) has unlocking means (44) which unlock the securing means (32) during assembly to the pre-assembled unit (13).
6. Steering column module (12) according to claim 4 or 5, characterized in that the securing means (32) are configured as securing tongues which cooperate with the contact switch (26).
7. Steering column module (12) according to claim 4, 5 or 6, characterized in that the unlocking means (44) are configured as pin-shaped raised structures which deflect the securing tongues (32), when mounting the pre-assembled unit (13), to release the contact switch (26).
8. Steering column module (12) according to any one of the preceding claims, characterized in that the pre-assembled unit (13) and the switching unit (36) have centering means for common mutual alignment during assembly.
9. Steering column module (12) according to any one of the preceding claims, characterized in that contact switch (26) has a central receptacle (42) that is configured to cooperate with the free end of a lever arm (44) of the mechanism (38) during assembly.

10. Steering column module (12) according to any one of the preceding claims, characterized in that the switching unit (36) has a switching housing which can be disposed on the base housing (10) accepting the printed circuit board.
11. Steering column module (12) according to any one of the preceding claims, characterized in that, in the final mounted state, a plurality of switching units (36) are disposed in corresponding switching housings (37) on the pre-assembled unit (13).